

# Cristina Della Pina

## List of Publications by Year in descending order

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99  
papers

6,868  
citations

109321

35  
h-index

58581

82  
g-index

105  
all docs

105  
docs citations

105  
times ranked

8211  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Polyaniline for Biomedical Applications. <i>Current Medicinal Chemistry</i> , 2022, 29, 329-357.	2.4	16
2	Doped-polyaniline based sorbents for the simultaneous removal of heavy metals and dyes from water: Unravelling the role of synthesis method and doping agent. <i>Chemosphere</i> , 2022, 286, 131941.	8.2	18
3	A review of advances in multifunctional XTiO <sub>3</sub> perovskite-type oxides as piezo-photocatalysts for environmental remediation and energy production. <i>Journal of Hazardous Materials</i> , 2022, 421, 126792.	12.4	62
4	Recent advances and challenges of emerging solar-driven steam and the contribution of photocatalytic effect. <i>Chemical Engineering Journal</i> , 2022, 431, 134024.	12.7	85
5	The versatility of gold: From heterogeneous catalysis to biomedicine. <i>Inorganica Chimica Acta</i> , 2022, 537, 120959.	2.4	4
6	Plant nutrients recovery from agro-food wastewaters using microbial electrochemical technologies based on porous biocompatible materials. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107453.	6.7	3
7	Presence of perfluoroalkyl substances in Mediterranean sea and North Italian lake fish addressed to Italian consumer. <i>International Journal of Food Science and Technology</i> , 2022, 57, 1303-1316.	2.7	10
8	One pot synthesis of <i>thio</i> -glycosides via <i>aziridine</i> opening reactions. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 233-247.	2.8	6
9	A Journey into the Determination of Polyaniline Molecular Weight. <i>Advanced Materials Science and Technology</i> , 2021, 3, 8-21.	0.2	0
10	Development of an experimental test rig for the pyrolysis of plastic residues and waste tires. <i>E3S Web of Conferences</i> , 2021, 238, 01013.	0.5	0
11	Zn <sup>2+</sup> removal from the aqueous environment using a polydopamine/hydroxyapatite/Fe <sub>3</sub> O <sub>4</sub> magnetic composite under ultrasonic waves. <i>RSC Advances</i> , 2021, 11, 27309-27321.	3.6	70
12	Targeting the "Sweet Side" of Tumor with Glycan-Binding Molecules Conjugated-Nanoparticles: Implications in Cancer Therapy and Diagnosis. <i>Nanomaterials</i> , 2021, 11, 289.	4.1	18
13	Size-dependent catalytic effect of magnetite nanoparticles in the synthesis of tunable magnetic polyaniline nanocomposites. <i>Chemical Papers</i> , 2021, 75, 5057-5069.	2.2	5
14	Piezo-enhanced photocatalytic diclofenac mineralization over ZnO. <i>Ultrasonics Sonochemistry</i> , 2021, 75, 105615.	8.2	26
15	Pigmented Corn Varieties as Functional Ingredients for Gluten-Free Products. <i>Foods</i> , 2021, 10, 1770.	4.3	13
16	Experimental methods in chemical engineering: Mössbauer spectroscopy. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, 2105-2114.	1.7	7
17	Oxidative Inactivation of SARS-CoV-2 on Photoactive AgNPs@TiO <sub>2</sub> Ceramic Tiles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8836.	4.1	20
18	SWOT analysis of photocatalytic materials towards large scale environmental remediation. <i>Current Opinion in Chemical Engineering</i> , 2021, 33, 100696.	7.8	51

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19	Self-cleaning, photocatalytic films on aluminum plates for multi-pollutant air remediation: promoting adhesion and activity by SiO <sub>2</sub> interlayers. <i>Nanotechnology</i> , 2021, 32, 475710.	2.6	1
20	Comparison of the photoactivity of several semiconductor oxides in floating aerogel and suspension systems towards the reduction of Cr(VI) under visible light. <i>Chemosphere</i> , 2021, 281, 130839.	8.2	34
21	Solar Light Photoactive Floating Polyaniline/TiO <sub>2</sub> Composites for Water Remediation. <i>Nanomaterials</i> , 2021, 11, 3071.	4.1	10
22	Catalysis with Silver: From Complexes and Nanoparticles to MORALS and Single-Atom Catalysts. <i>Catalysts</i> , 2020, 10, 1343.	3.5	18
23	Polyanilines as New Sorbents for Hydrocarbons Removal from Aqueous Solutions. <i>Materials</i> , 2020, 13, 2161.	2.9	9
24	Nonabsorbable Iron(III) binding polymers: Synthesis and evaluation of the chelating properties. <i>Polymer Testing</i> , 2020, 90, 106693.	4.8	3
25	Extra-Small Gold Nanospheres Decorated With a Thiol Functionalized Biodegradable and Biocompatible Linear Polyamidoamine as Nanovectors of Anticancer Molecules. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 132.	4.1	19
26	Photocatalytic and Oxidative Synthetic Pathways for Highly Efficient PANI-TiO <sub>2</sub> Nanocomposites as Organic and Inorganic Pollutant Sorbents. <i>Nanomaterials</i> , 2020, 10, 441.	4.1	26
27	Sonophotocatalytic degradation of sodium diclofenac using low power ultrasound and micro sized TiO <sub>2</sub> . <i>Ultrasonics Sonochemistry</i> , 2020, 67, 105123.	8.2	35
28	Protective effect of <i>Vigna unguiculata</i> extract against aging and neurodegeneration. <i>Aging</i> , 2020, 12, 19785-19808.	3.1	9
29	Degradation of Carbamazepine by Photo(electro)catalysis on Nanostructured TiO <sub>2</sub> Meshes: Transformation Products and Reaction Pathways. <i>Catalysts</i> , 2020, 10, 169.	3.5	42
30	Degradation of emerging organic pollutants in wastewater effluents by electrochemical photocatalysis on nanostructured TiO <sub>2</sub> meshes. <i>Water Research</i> , 2019, 164, 114920.	11.3	83
31	Metamaterial architecture from a self-shaping carnivorous plant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18777-18782.	7.1	21
32	Insights on the photocatalytic degradation processes supported by TiO <sub>2</sub> /WO <sub>3</sub> systems. The case of ethanol and tetracycline. <i>Catalysis Today</i> , 2019, 328, 210-215.	4.4	32
33	Ulvan as novel reducing and stabilizing agent from renewable algal biomass: Application to green synthesis of silver nanoparticles. <i>Carbohydrate Polymers</i> , 2019, 203, 310-321.	10.2	103
34	Concurrent role of metal (Sn, Zn) and N species in enhancing the photocatalytic activity of TiO <sub>2</sub> under solar light. <i>Catalysis Today</i> , 2018, 313, 40-46.	4.4	31
35	Polyaniline (PANI): an innovative support for sampling and removal of VOCs in air matrices. <i>Journal of Hazardous Materials</i> , 2018, 344, 308-315.	12.4	31
36	Methionine supplementation stimulates mitochondrial respiration. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 1901-1913.	4.1	17

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37	Triply green polyaniline: UV irradiation-induced synthesis of a highly porous PANI/TiO <sub>2</sub> composite and its application in dye removal. <i>Chemical Communications</i> , 2018, 54, 10702-10705.	4.1	17
38	Inkjet printed doped polyaniline: Navigating through physics and chemistry for the next generation devices. <i>Applied Surface Science</i> , 2018, 456, 246-258.	6.1	15
39	The role played by different TiO <sub>2</sub> features on the photocatalytic degradation of paracetamol. <i>Applied Surface Science</i> , 2017, 424, 198-205.	6.1	22
40	Emerging pollutant mixture mineralization by TiO <sub>2</sub> photocatalysts. The role of the water medium. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 60-66.	2.9	55
41	Clean Transformation of Ethanol to Useful Chemicals. The Behavior of a Gold-Modified Silicalite Catalyst. <i>Molecules</i> , 2016, 21, 379.	3.8	4
42	Ultrathin electrospun PANI nanofibers for neuronal tissue engineering. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	13
43	Annealing effect on electromechanical behaviour of polyanilines organic acids-doped. <i>Sensors and Actuators A: Physical</i> , 2016, 252, 59-66.	4.1	2
44	Industrielle Anwendungen von Goldkatalysatoren. <i>Angewandte Chemie</i> , 2016, 128, 14420-14428.	2.0	17
45	Industrial Applications of Gold Catalysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14210-14217.	13.8	161
46	Advances in Poly (4-aminodiphenylaniline) Nanofibers Preparation by Electrospinning Technique. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 5369-5377.	0.9	2
47	Gold Nanomaterials: From Preparation to Pharmaceutical Design and Application. <i>Current Pharmaceutical Design</i> , 2016, 22, 1485-1493.	1.9	13
48	Bioglycerol: a multifunctional aid for the construction industry. <i>Biofuels, Bioproducts and Biorefining</i> , 2015, 9, 468-475.	3.7	1
49	Advanced Nanomaterials for Energy and Environmental Applications. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-2.	2.7	0
50	Effect of Salicylic Acid and 5-Sulfosalicylic Acid on UV-Vis Spectroscopic Characteristics, Morphology, and Contact Angles of Spin Coated Polyaniline and Poly(4-aminodiphenylaniline) Thin Films. <i>Journal of Spectroscopy</i> , 2015, 2015, 1-8.	1.3	5
51	Towards "Green" Smart Materials for Force and Strain Sensors: The Case of Polyaniline. <i>Key Engineering Materials</i> , 2015, 644, 157-162.	0.4	3
52	A green approach to magnetically-hard electrically-conducting polyaniline/CoFe <sub>2</sub> O <sub>4</sub> nanocomposites. <i>Composites Science and Technology</i> , 2015, 110, 138-144.	7.8	30
53	Gold-Based Catalysts. <i>RSC Green Chemistry</i> , 2014, , 133-154.	0.1	1
54	Development of high sensitive polyaniline based piezoresistive films by conventional and green chemistry approaches. <i>Sensors and Actuators A: Physical</i> , 2014, 220, 13-21.	4.1	37

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55	Microwave characterization of magnetically hard and soft ferrite nanoparticles in K-band. <i>Journal of Applied Physics</i> , 2014, 116, 154306.	2.5	7
56	Biom mineralized Anisotropic Gold Microplateâ€™ Macrophage Interactions Reveal Frustrated Phagocytosis-like Phenomenon: A Novel Paclitaxel Drug Delivery Vehicle. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 14679-14689.	8.0	44
57	Understanding the glycerol market. <i>European Journal of Lipid Science and Technology</i> , 2014, 116, 1432-1439.	1.5	302
58	Electromechanical properties of polyanilines prepared by two different approaches and their applicability in force measurements. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 395-401.	7.8	21
59	Electrospinning of Polyaniline: Effect of Different Raw Sources. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 4744-4751.	0.9	26
60	Update on selective oxidation using gold. <i>Chemical Society Reviews</i> , 2012, 41, 350-369.	38.1	318
61	Polyaniline nanofibers: Towards pure electrospun PANI. , 2012, , .		7
62	One-pot synthesis of polyaniline/Fe <sub>3</sub> O <sub>4</sub> nanocomposites with magnetic and conductive behaviour. Catalytic effect of Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Synthetic Metals</i> , 2012, 162, 2250-2258.	3.9	20
63	Interaction of l-cysteine with naked gold nanoparticles supported on HOPG: a high resolution XPS investigation. <i>Nanoscale</i> , 2012, 4, 7727.	5.6	41
64	Oxidation of Alcohols and Carbohydrates. , 2012, , 309-329.		2
65	A green approach to chemical building blocks. The case of 3-hydroxypropanoic acid. <i>Green Chemistry</i> , 2011, 13, 1624.	9.0	97
66	Enhanced performance of the catalytic conversion of allyl alcohol to 3-hydroxypropionic acid using bimetallic gold catalysts. <i>Faraday Discussions</i> , 2011, 152, 367.	3.2	20
67	Gold-catalyzed oxidation in organic synthesis: a promise kept. <i>Catalysis Science and Technology</i> , 2011, 1, 1564.	4.1	44
68	Investigation of glycerol polymerization in the clinker grinding process. <i>Green Chemistry</i> , 2011, 13, 143-148.	9.0	11
69	Conductive materials by metal catalyzed polymerizationâ€™†. <i>Catalysis Today</i> , 2011, 160, 11-27.	4.4	58
70	Optimizing operating conditions and electrochemical characterization of glucoseâ€™ gluconate alkaline fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 1273-1278.	7.8	11
71	Catalytic Transformation of Ethanol with Silicaliteâ€™1: Influence of Pretreatments and Conditions on Activity and Selectivity. <i>ChemCatChem</i> , 2010, 2, 1587-1593.	3.7	7
72	Alkaline glucose oxidation on nanostructured gold electrodes. <i>Gold Bulletin</i> , 2010, 43, 57-64.	2.7	84

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73	Selective dehydrosulfurization of 3-mercaptopropionic acid to acrylic acid on silicalite catalyst. <i>Catalysis Communications</i> , 2010, 11, 456-459.	3.3	4
74	Selective deactivation of gold catalyst. <i>Journal of Catalysis</i> , 2009, 263, 92-97.	6.2	39
75	A green route to conducting polyaniline by copper catalysis. <i>Journal of Catalysis</i> , 2009, 267, 93-96.	6.2	55
76	Oxidation of Allyl Alcohol in the Presence of a Gold Catalyst: A Route to 3-Hydroxypropionic Acid. <i>ChemSusChem</i> , 2009, 2, 57-58.	6.8	23
77	Recent advances in the conversion of bioglycerol into value-added products. <i>European Journal of Lipid Science and Technology</i> , 2009, 111, 788-799.	1.5	81
78	Gold-catalysed synthesis of polypyrrole. <i>Gold Bulletin</i> , 2009, 42, 27-33.	2.7	26
79	Greening the Construction Industry: Enhancing the Performance of Cements by Adding Bioglycerol. <i>ChemSusChem</i> , 2008, 1, 809-812.	6.8	20
80	Facile synthesis of polyaniline using gold catalyst. <i>Journal of Catalysis</i> , 2008, 259, 1-4.	6.2	39
81	Highly selective oxidation of benzyl alcohol to benzaldehyde catalyzed by bimetallic gold-copper catalyst. <i>Journal of Catalysis</i> , 2008, 260, 384-386.	6.2	256
82	Selective oxidation using gold. <i>Chemical Society Reviews</i> , 2008, 37, 2077.	38.1	644
83	Gold Nanoparticles: From Preparation to Catalytic Evaluation. , 2008, , 253-262.		1
84	From Glycerol to Value-Added Products. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4434-4440.	13.8	1,443
85	One-pot catalytic synthesis of higher aliphatic ketones. <i>Applied Catalysis A: General</i> , 2007, 321, 35-39.	4.3	6
86	Catalytic performance of gold catalysts in the total oxidation of VOCs. <i>Gold Bulletin</i> , 2007, 40, 67-72.	2.7	29
87	Selective oxidation of tertiary amines on gold catalysts. <i>Topics in Catalysis</i> , 2007, 44, 325-329.	2.8	34
88	New routes to Vitamin K3. <i>Catalysis Today</i> , 2007, 121, 58-64.	4.4	62
89	Effect of Au in Cs <sub>2.5</sub> H <sub>1.5</sub> PVMo <sub>11</sub> O <sub>40</sub> and Cs <sub>2.5</sub> H <sub>1.5</sub> PVMo <sub>11</sub> O <sub>40</sub> /Au/TiO <sub>2</sub> catalysts in the gas phase oxidation of propylene. <i>Catalysis Today</i> , 2007, 122, 307-316.	4.4	15
90	Mono- and bimetallic catalysts for glucose oxidation. <i>Journal of Molecular Catalysis A</i> , 2006, 251, 89-92.	4.8	126

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91	One-pot electrocatalytic oxidation of glycerol to DHA. Tetrahedron Letters, 2006, 47, 6993-6995.	1.4	118
92	Aerobic oxidation of glucose. Applied Catalysis A: General, 2006, 297, 1-7.	4.3	172
93	Is the biochemical route always advantageous? The case of glucose oxidation. Journal of Catalysis, 2006, 244, 122-125.	6.2	76
94	Aerobic Oxidation of Glucose with Gold Catalyst: Hydrogen Peroxide as Intermediate and Reagent. Advanced Synthesis and Catalysis, 2006, 348, 313-316.	4.3	220
95	Oxidation of alcohols and sugars using Au/C catalysts. Applied Catalysis A: General, 2005, 291, 204-209.	4.3	118
96	Aerobic oxidation of glucose I. Enzymatic catalysis. Journal of Catalysis, 2004, 228, 282-287.	6.2	52
97	The Catalytic Activity of "Naked" Gold Particles. Angewandte Chemie - International Edition, 2004, 43, 5812-5815.	13.8	744
98	Gold Nanoparticles-catalyzed Oxidations in Organic Chemistry. , 0, , 427-455.		1
99	Liquid Phase Oxidation of Organic Compounds by Supported Metal-Based Catalysts with a Focus on Gold. , 0, , 221-262.		3